

Having read FCC Docket 03-104 I wish to express my concern as a short-wave listener. It is estimated that there are up to 111 broadcasters working in 79 countries that provide the world with up to 800 English language broadcasts daily. Many of the larger well

known short-wave broadcasters include the British Broadcasting Company (BBC), Voice of America (VOA), Deutsche Well, Radio Canada, Radio Australia, Radio Netherlands and Radio Japan. These broadcasters provide Americans with a wide variety of English

language programs that give Americans access to other cultures and another point of view on world matters. The American audience for short-wave programming is estimated to be in the millions. Our ability to hear short-wave broadcasts is threatened by the implementation of Power Line Communications (PLC).

Within Docket 03-104, a reference is made to the old carrier current systems used by colleges to facilitate lower power, local broadcasts. This is given as one example of how this type of system was used with little interference to the AM broadcasters. It was

rightly pointed out that it operated at low frequency and low power and did not interfere with the AM bands. However PLC will operate well into the medium frequency (MF) and high frequency (HF) bands at higher power levels and will use very effective antennas, the power lines themselves. Because power lines are physically large, often

overhead and extends across entire communities, PLC systems does pose a significant interference potential to short-wave reception. Clearly PLC will throw out more radio frequency (RF) energy into these bands and well raise the noise floor thereby eliminating reception of all but the strongest short-wave broadcasts.

All of these broadcasters including many smaller ones run the risk of having the reception of their programs obliterated with interference from PLC. A preliminary study done by Professor Filippo Giannetti has provided some information involving PLC interference to short-wave broadcasts. I urge you to read his preliminary findings (<http://edxc.ifrance.com/edxc/plc.htm>, Power Line Communications: Threat for Radio Listening ?) on this matter as well as others done in Europe and Japan on this subject.

While PLC may interfere less with local government operated high power MF and HF communications, it has the real possibility to ruin short-wave reception for many of us who use simple receivers listening to far away weak broadcasts.

Respectfully Submitted

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